PROJECT:

TYPE:

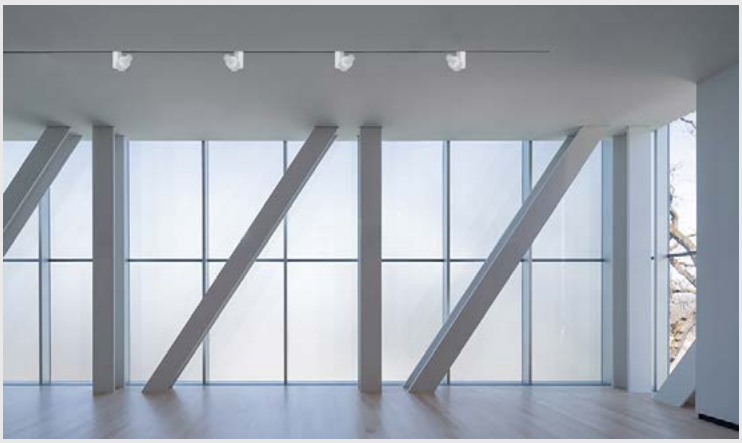
DATE:

PRODUCT CODE:

ESSENCE TRACK

ARCHITECTURAL TRACK LIGHTING

ESS-372



Description:

Applications

This versatile LED track light is ideal for accentuating displays and creating focused illumination in retail, galleries, museums, hospitality, supermarkets, and commercial spaces, offering adjustable positioning and a range of color temperatures to suit any environment.

Features

- Compact LED track light providing optimal lumen output
- Precise aiming for accenr, task, or general illumination
- Seamlessly integrates into any design
- Track heads adjustability: 360° horizontal/ 180° vertical
- Compatible with 1-circuit and 2-circuit tracks
- Friction-based locking system for secure adjustments
- Allows precise positioning of the light as needed
- Available in a range of color temperatures, from cool to warm tones

Wattage:

Nominal Lumens	Delivered Lumens	Wattage
900	907	13W

Based on 3000K, 90+ CRI. Actual wattage may vary +/-5%

Specifications:

Lumens	900
CCT	30K
CRI	90+
Color Quality	2 Step Mac Adam Ellipse
Optics	**MD** (Medium Distribution 38°)
Finish	White, Black, Custom Color (RAL)
Aiming	360° (horizontal), 180° (vertically)
Dimming	Flicker Free 10% Dimming TRIAC forward-phase or leading-edge 120V.
Lifetime	L70 at 50,000 Hours
Photometrics	In Accordance with IES LM79-08, LM-08 and TM-30, TM-21
Certifications & Features	Intertek · Assembled in America · Quick Ship · 5YRS Limited Warranty

ESSENCE TRACK

ARCHITECTURAL TRACK LIGHTING

ESS-372

PART NUMBER: **ESS-372-900L-30K-90-38D-DIMTR-120V-WH**

Series	Lumens	CCT	CRI	Optics	Drivers	Voltage	Finish
ESS-372	900L	30K	90+	38D (38°)	DIMTR	120V	WH (White) BK (Black) CC (RAL)

Optics

A polycarbonate optical refractor ensures accurate beam control and uniform light distribution, available in various lumen options.

Construction

Each track head features CoolLED Advanced Thermodynamic Design, with a body made of extruded aluminum and a custom die-cast concealed heat sink. This thermal management system is specifically engineered for extended lifespan and durability.

Finish

Available in white, black and custom RAL Color finishes.

Accessories

Track heads can support 1 to 3 accessories. Please contact the factory for standard or custom options.

Optics

A polycarbonate optical refractor ensures accurate beam control and uniform light distribution, available in various lumen options.

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Each track head features CoolLED Advanced Thermodynamic Design, with a body made of extruded aluminum and a custom die-cast concealed heat sink. This thermal management system is specifically engineered for extended lifespan and durability.

Finish

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Accessories

Track heads can support 1 to 3 accessories. Please contact the factory for standard or custom options.

Track Compatibility

Track heads are standard and compatible with Mono-point, 1-Circuit, and 2-Circuit type H tracks. Type J (Juno) adapter option available upon request.
Please consult the factory for compatibility with 2-Circuit, 2-Neutral 120V Track, 2-Circuit, 2-Neutral 277V Track, 3-Circuit 1-Neutral Track, and DALI System Track.

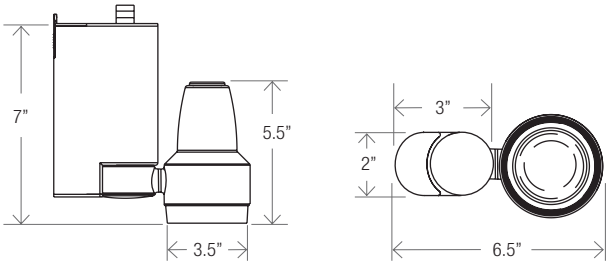
Dimming and Driver

DIMTR

Electronic constant current LED driver compatible with TRIAC forward-phase (leading-edge) dimming, available in 120V. Standard dimming down to 1%. The LED driver operates at 50 to 60Hz with a 120V input, maintains less than 20% THD, and achieves a power factor between 90% and 100%. It is thermally protected for enhanced safety. Please consult the factory for 277V or 0-10V dimming options.

Warranty

Five-year warranty for parts and components.
(Labor not included)



ESSENCE TRACK

ARCHITECTURAL TRACK LIGHTING

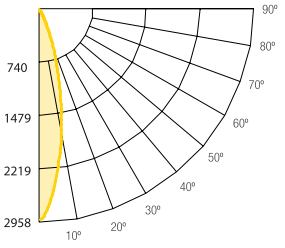
ESS-372

ESS-372-900L-30K-90-38D-DIMTR-120-WH

TEST NO: **EPL011946**

INPUT WATTS: 13.1 | LUMENS: 907 | CRI: 90 | EFFICACY: 69 | CCT: 3000K | SPACING CRITERIA: 0.50

Candle Power Distribution (Candelas)



Cone of Light		
4.0	10.2 fc	8.8 ft
8.0	2.55 fc	17.6 ft
12.0	1.13 fc	26.3 ft
16.0	0.64 fc	35.1 ft
20.0	0.41 fc	43.9 ft
24.0	0.28 fc	52.7 ft
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	611.85	67.50	67.50
0-30	815.88	90.00	90.00
0-40	877.96	96.80	96.90
0-60	904.92	99.80	99.80
0-80	905.50	99.90	99.90
0-90	905.51	99.90	99.90

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

Lumens Per Zone

Zone	Lumens
0-10	234.78
10-20	377.07
20-30	204.04
30-40	62.08
40-50	20.83
50-60	6.13
60-70	0.48
70-80	0.10
80-90	0.01

Candela Tabulation

	0
0	2945.57
5	2560.13
15	1231.44
25	363.75
35	83.78
45	22.94
55	4.93
65	0.28
75	0.08
85	0.01
90	0.01

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

	RC	80%				70%				50%			30%			10%			0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
ROOM CAVITY RATIO	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
	1	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
	2	110	106	103	100	108	105	102	99	101	99	97	99	97	95	96	94	93	91
	3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87
	4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84
	5	99	92	87	84	97	91	87	84	89	86	83	88	85	82	86	84	81	80
	6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	83	81	78	77
	7	92	85	80	77	91	84	80	76	83	79	76	82	78	76	81	78	75	74
	8	89	81	77	73	88	81	76	73	80	76	73	79	75	73	78	75	72	71
	9	86	78	74	71	85	78	74	71	77	73	70	76	73	70	76	72	70	69
	10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	67	66

RC - Ceiling Cavity Reflectance RW - Wall Reflectance